

April 14, 2010

TO: Members of the MAG Transportation Safety Committee

FROM: Julian Dresang, Chair, MAG Transportation Safety Committee

SUBJECT: SPECIAL MEETING NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA

Tuesday, April 20, 2010 10:00 a.m.  
MAG Office Building, 2<sup>nd</sup> Floor, Cholla Room  
302 North First Avenue, Phoenix

A special meeting of the MAG Transportation Safety Committee will be held at the time and place noted above. Committee members or their proxies may attend **in person, via videoconference or by telephone conference call**. Those attending video conference must notify the MAG site three business days prior to the meeting. Those attending by telephone conference call please contact MAG offices for conference call instructions.

Please park in the garage under the building, bring your ticket, parking will be validated. For those using transit, Valley Metro/RPTA will provide transit tickets for your trip. For those using bicycles, please lock your bicycle in the bike rack in the garage.

In 1996, the Regional Council approved a simple majority quorum for all MAG advisory committees. If the Transportation Safety Committee does not meet the quorum requirement, members who have arrived at the meeting will be instructed a legal meeting cannot occur and subsequently be dismissed. Your attendance at the meeting is strongly encouraged.

Pursuant to Title II of the Americans with Disabilities Act (ADA), MAG does not discriminate on the basis of disability in admissions to or participation in its public meetings. Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting Jason Stephens at the MAG office. Requests should be made as early as possible to allow time to arrange the accommodation.

If you have any questions regarding the meeting, please contact Sarath Joshua at (602) 254-6300.

TENTATIVE AGENDA

COMMITTEE ACTION REQUESTED

- |  |  |
|--|--|
| 1. <u>Call To Order</u>                              |  |
| 2. <u>Approval of March 23, 2010 Meeting Minutes</u> | 2. Review and approve minutes of the meeting held on March 23, 2010. |

3. Call to Audience

An opportunity will be provided to members of the public to address the Transportation Safety Committee on items not scheduled on the agenda that fall under the jurisdiction of MAG, or on items on the agenda for discussion but not for action. Members of the public will be requested not to exceed a three minute time period for their comments. A total of 15 minutes will be provided for the Call to the Audience agenda item, unless members request an exception to this limit. Please note that those wishing to comment on action agenda items will be given an opportunity at the time the item is heard.

4. Program Managers Report

The following items will be addressed:

- Request for Proposals for On-Call Consultants
- Study on the Effectiveness of Non-Engineering Road Safety Measures

5. Programming Projects for the 2010 MAG HSIP Allocation

In response to the call for transportation safety projects for FY 2010, announced by MAG on March 24, 2010, seventeen (17) project applications were received (See Attachment One). The total funding requested for all projects is \$1,514,468. Only \$1million of HSIP funds are available to be programmed. The committee will discuss alternatives for identifying projects for programming the funds and recommend a list of projects to be programmed in FY 2010.

The complete list of projects that have been submitted and three possible alternatives options for the distribution of funds to projects are shown on Attachments Two through Six.

3. For information.

4. For information and discussion.

5. For information, discussion and possible action to recommend a list of transportation projects to be recommended to ADOT for programming for the \$1 million in FY 2010 Highway Safety Improvement Program funds that were sub-allocated to MAG.

6. Reports by Committee Members on Transportation Safety Activities

Members will be requested to report agency activities or current issues that are related to transportation safety.

7. Request for Future Agenda Items

Members will be provided the opportunity to suggest future agenda topics.

8. Next Meeting

The next meeting will be held on Tuesday May 25, 2010 at 10:00 a.m.

9. Adjournment

6. For information and discussion.

7. For information and discussion.

8. For information.

# Summary of 2010 HSIP Applications

	City		Project	Cost	Cumulative	Total Request by Cities	B/C	# of Intersections	# of Intersections with Crash experience	Ped	Add12"	Upgr 12"
1	Avondale	Project #1	Additional 12" head	\$3,200	\$3,200	\$8,821	141.91	3	3		1	
2		Project #2	Upgrade to 12" head	\$5,621	\$8,821		124.51	3	3			1
3	FountainHills	Project #1	Upgrade to 12" head	\$9,300	\$18,121	\$26,580	54.29	4	4			1
4		Project #2	Additional 12" head	\$17,280	\$35,401		9.93	4	4		1	
5	Gilbert	Project #1	Ped Countdown	\$44,800	\$80,201	\$44,800	90.07	20	17	1		
6	Glendale	Project #1	Ped Countdown	\$55,200	\$135,401	\$55,200	175.15	23	23	1		
7	Peoria	Project #1	Ped Countdown	\$41,600	\$177,001	\$41,600	78.75	13	13	1		
8	Scottsdale	Project #1	Ped Countdown	\$59,750	\$236,751	\$96,749	883.37	24	23	1		
9		Project #2	Upgrade to 12" head	\$36,999	\$273,750		247.59	10	10			1
10	Mesa	Project #1	Ped Countdown	\$45,675	\$319,425		817.3	50	50	1		
11		Project #2	Additional 12" head	\$139,950	\$459,375	\$347,088	382.29	75	75		1	
12		Project #3	Upgrade to 12" head	\$161,463	\$620,838		211.64	75	75			1
13	Phoenix	Project #1	Ped Countdown	\$482,120	\$1,102,958	\$482,120	80.4	188	52	1		
14	Tempe	Project #1	Ped Countdown	\$37,515	\$1,140,473		295.05	25	25	1		
15		Project #2	Upgrade to 12" head	\$51,680	\$1,192,153	\$275,510	277.43	83	83			1
16		Project #3	Additional 12" head	\$186,315	\$1,378,468		184.42	33	33		1	
17	Chandler	Project #1	Ped Countdown	\$136,000	\$1,514,468	\$136,000	31.23	88	17	1		
	<b>Total</b>			<b>\$1,514,468</b>		<b>\$1,514,468</b>		<b>721</b>	<b>510</b>	<b>8</b>	<b>4</b>	<b>5</b>

## SUMMARY OF OPTIONS FOR HSIP FUNDING DISTRIBUTION

OPTIONS FOR DISTRIBUTION OF FUNDS					
Agency	Request	\$50K Min	\$100k Min	\$120k Min	\$120k Min + B/C
Avondale	\$8,821	\$8,821	\$8,821	\$8,821	\$8,821
Chandler	\$136,000	\$95,508	\$113,970	\$125,179	\$114,804
Fountain Hills	\$26,580	\$26,580	\$26,580	\$26,580	\$26,580
Gilbert	\$44,800	\$44,800	\$44,800	\$44,800	\$44,800
Glendale	\$55,200	\$52,752	\$55,200	\$55,200	\$55,200
Mesa	\$347,088	\$207,208	\$195,885	\$193,510	\$285,927
Peoria	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600
Phoenix	\$482,120	\$278,662	\$248,286	\$237,221	\$138,111
Scottsdale	\$96,749	\$74,738	\$96,749	\$96,749	\$96,749
Tempe	\$275,510	\$169,332	\$168,109	\$170,340	\$187,409
Total	\$1,514,468	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

Min. \$50k per agency; rest apportioned by the balance required -- suggested by Sarah

Min. \$100k; rest apportioned by the balance required - suggested by Renate

Min. \$120k; rest apportioned by the balance required - suggested by Paul

Min. \$100k; rest apportioned by the project B/C ratio - suggested by Chris

## FUNDING OPTION - \$50k Min per Agency

City	Request	\$50k Min	Excess	Adjust excess	Final Amt
Avondale	\$8,821	\$8,821			\$8,821
Chandler	\$136,000	\$50,000	\$86,000	\$45,508	\$95,508
FountainHills	\$26,580	\$26,580			\$26,580
Gilbert	\$44,800	\$44,800			\$44,800
Glendale	\$55,200	\$50,000	\$5,200	\$2,752	\$52,752
Mesa	\$347,088	\$50,000	\$297,088	\$157,208	\$207,208
Peoria	\$41,600	\$41,600			\$41,600
Phoenix	\$482,120	\$50,000	\$432,120	\$228,662	\$278,662
Scottsdale	\$96,749	\$50,000	\$46,749	\$24,738	\$74,738
Tempe	\$275,510	\$50,000	\$225,510	\$119,332	\$169,332
Total	\$1,514,468				
		\$421,801	\$1,092,667	\$578,199	\$1,000,000
			\$578,199		

Adj factor 0.52916305

## FUNDING OPTION - \$100K Min per Agency

City	Request	\$100k Min	Excess	Adjust excess	Final Amt
Avondale	\$8,821	\$8,821			\$8,821
Chandler	\$136,000	\$100,000	\$36,000	\$13,970	\$113,970
FountainHills	\$26,580	\$26,580			\$26,580
Gilbert	\$44,800	\$44,800			\$44,800
Glendale	\$55,200	\$55,200			\$55,200
Mesa	\$347,088	\$100,000	\$247,088	\$95,885	\$195,885
Peoria	\$41,600	\$41,600			\$41,600
Phoenix	\$482,120	\$100,000	\$382,120	\$148,286	\$248,286
Scottsdale	\$96,749	\$96,749			\$96,749
Tempe	\$275,510	\$100,000	\$175,510	\$68,109	\$168,109
Total	\$1,514,468				
		\$673,750	\$840,718	\$326,250	\$1,000,000
			\$326,250		
		Adj factor	0.38806116		

## FUNDING OPTION - \$120k Min per Agency

City	Request	\$120k Min	Excess	Adjust excess	Final Amt
Avondale	\$8,821	\$8,821			\$8,821
Chandler	\$136,000	\$120,000	\$16,000	\$5,179	\$125,179
FountainHills	\$26,580	\$26,580			\$26,580
Gilbert	\$44,800	\$44,800			\$44,800
Glendale	\$55,200	\$55,200			\$55,200
Mesa	\$347,088	\$120,000	\$227,088	\$73,510	\$193,510
Peoria	\$41,600	\$41,600			\$41,600
Phoenix	\$482,120	\$120,000	\$362,120	\$117,221	\$237,221
Scottsdale	\$96,749	\$96,749			\$96,749
Tempe	\$275,510	\$120,000	\$155,510	\$50,340	\$170,340
Total	\$1,514,468				
		\$753,750	\$760,718	\$246,250	\$1,000,000
			\$246,250		

Adj factor 0.32370734



## Distribution of HSIP Funds Based on Minimum \$100k per Agency Plus Project Benefit-Cost Ratio

City	Request	\$100k Min
Avondale	\$8,821	\$8,821
Chandler	\$136,000	\$100,000
FountainHills	\$26,580	\$26,580
Gilbert	\$44,800	\$44,800
Glendale	\$55,200	\$55,200
Mesa	\$347,088	\$100,000
Peoria	\$41,600	\$41,600
Phoenix	\$482,120	\$100,000
Scottsdale	\$96,749	\$96,749
Tempe	\$275,510	\$100,000
Total	\$1,514,468	

\$673,750

Balance

&gt;&gt; distribute based on project B/C ratio

\$273,750

## Distribution of \$326,250 Based on Project B/C Ratio

Chandler	A					B					C			A + B + C		Project#1
	Cost	Distribution1	\$ Needed	Project B/C	B/C for Distr.	Fraction	B/C Proportion	Distribution2	\$Needed	B/C	Fraction	Distribution3	Total \$ for Project			
Project#1	\$136,000	\$100,000	36000	31.23	31.23	0.03509265	\$11,448.98	\$11,448.98	\$24,551.02	31.23	0.06	\$3,354.56	\$114,803.54	Chandler	Project#1	
Mesa	Project#1	\$45,675	\$45,675 within \$100k	817.3	382.3	0.42958435	\$140,151.89	\$85,625.00	\$0.00				\$45,675.00	Mesa	Project#1	
	Project#2	\$139,950	\$54,325	85625	382.3	0.42958435	\$140,151.89	\$85,625.00	\$0.00				\$139,950.00	Mesa	Project#2	
	Project#3	\$161,463	\$0	161463	211.6	0.23777151	\$77,572.96	\$77,572.96	\$83,890.04	211.60	0.42	\$22,728.94	\$100,301.89	Mesa	Project#3	
Phoenix	Project#1	\$347,088											\$285,926.89	Mesa	Project#1	
	Project#1	\$482,100	\$100,000	382100	80.4	0.09034418	\$29,474.79	\$29,474.79	\$352,625.21	80.40	0.16	\$8,636.14	\$138,110.93	Phoenix	Project#1	
Tempe	Project#1	\$37,515	\$37,515 within \$100k	295									\$37,515.00	Tempe	Project#1	
	Project#2	\$51,680	\$51,680 within \$100k	277.4									\$51,680.00	Tempe	Project#2	
	Project#3	\$186,315	\$10,805	175510	184.4	0.20720731	\$67,601.38	\$67,601.38	\$107,908.62	184.40	0.36	\$19,807.26	\$98,213.64	Tempe	Project#3	
		\$275,510											\$187,408.64	Tempe		
					889.93	Total for distribution2 =	\$271,723.11			507.63	Total =	\$54,526.89	\$1,199,585.54			

Avondale	Project#1	\$3,200	\$3,200												\$3,200.00			Project#1
	Project#2	\$5,621	\$5,621												\$5,621.00			Project#2
Glendale	Project#1	\$8,821	\$8,821												\$8,821.00			Project#1
	Project#1	\$55,200	\$55,200												\$55,200.00			Glendale
Gilbert	Project#1	\$44,800	\$44,800												\$44,800.00			Project#1
Fountain Hills	Project#1	\$9,300	\$9,300												\$9,300.00			Project#1
	Project#2	\$17,280	\$17,280												\$17,280.00			Project#2
Peoria	Project#1	\$26,580	\$26,580												\$26,580.00			Project#1
	Project#1	\$41,600	\$41,600												\$41,600.00			Peoria
Scottsdale	Project#1	\$59,750	\$59,750												\$59,750.00			Project#1
	Project#2	\$36,999	\$36,999												\$36,999.00			Project#2
															\$96,749.00			Scottsdale
															\$405,900.00			

DRAFT MINUTES OF MARICOPA ASSOCIATION OF GOVERNMENTS  
TRANSPORTATION SAFETY COMMITTEE

March 23, 2010  
MAG Cholla Room, 2nd Floor  
302 North First Avenue  
Phoenix, Arizona

MEMBERS ATTENDING

+ Linda Gorman, AAA Arizona  
\*Tom Burch, AARP  
Kohinoor Kar for Reed Henry, ADOT  
Shane Kiesow, City of Apache Junction  
\*Robert Gray, Arizona State University  
Margaret Boone-Pixley, City of Avondale  
\*Martin Johnson, City of Chandler  
Sergeant Chris Romero, DPS  
Jorge Gastelum, City of El Mirage  
Karen King, FHWA  
Kurt Sharp, Town of Gilbert  
Chris Lemka, City of Glendale  
Luke Albert for Hugh Bigalk, City of Goodyear

Chris Plumb, Maricopa County  
Renate Ehm, City of Mesa  
\*William Mead, Paradise Valley  
Mannar Tamirisa for Jamal Rahimi, City of Peoria  
Kerry Wilcoxon, City of Phoenix  
\*Paul Porell, City of Scottsdale  
+Tracy Eberlein, City of Surprise  
Cathy Hollow for Julian Dresang, City of Tempe (Chair)  
Gardner Tabon, RPTA

OTHERS PRESENT

Kelly LaRosa, FHWA  
Shanthi Krishan, Jacobs  
Anita Shanker, Stantec  
Leo Luo, MAG

Paul Ward, Litchfield Park, Buckeye and Wickenburg  
Lauren Neu, Stand Associates  
Kiran Guntupalli, MAG

+Teleconference

\*Not present

1. Call to Order

Vice Chair Margaret Boone-Pixley called the meeting to order at 10:00 AM

2. Approval of January 26, 2010 Meeting Minutes

A few corrections to the minutes were noted by the committee. Kerry Wilcoxon moved and Chris Lemka seconded and it was unanimously carried to approve the minutes of the meeting held on January 26, 2010 as corrected.

3. Call to Audience

Vice Chair Margaret Boone-Pixley made a call to the audience providing an opportunity to members of the public to address the Transportation Safety Committee. No public comments were received.

4. Program Manager's Report

Kiran Guntupalli provided brief reports on the following items, as Sarath Joshua was away on vacation:

- 2010 Safe Routes to Schools Applications Update  
The SRTS applications were reviewed by the State Board, recommendations will be made next month.
- A brief video documentary, developed by MAG staff, on the Elderly Mobility Sign Project that installed new street name signs with Clearview Font was shown. The documentary is named "A Clearview of the Future" and is available for viewing via the MAG web site.

5. Programming Projects for the 2010 MAG HSIP Allocation

Kiran Guntupalli briefly mentioned that the MAG HSIP Working Group was formed shortly after the previous committee meeting to develop a process for programming new safety projects, that would utilize the \$1million that has been sub-allocated to MAG by ADOT. In order to meet the June 1, 2010, deadline announced by ADOT for the current fiscal year 2010, the Working Group recommended three categories of system-wide safety improvement projects to be considered in FY2010. They are:

- Installation of new pedestrian countdown timers
- Upgrading from 8-inch to 12-inch LED signal heads
- Additional signal heads as required in the 2009 MUTCD

Handouts that described the application process, schedule, ranking criteria and application forms were provided to the committee. Karen King from FHWA stated that these safety projects can be funded at 100 percent federal cost because all three project categories fall under traffic signal improvements. **Kerry Wilcoxon moved, Renate Ehm seconded, and it was unanimously carried to approve the FY2010 HSIP project application process, schedule and application format with the change to fund the project up to 100 percent federal cost.** Kohinoor Kar mentioned that a new person will be hired by the ADOT Local Government Section to help coordinate the HSIP project development by the June 1<sup>st</sup> deadline. He further reported that until the new person joins ADOT, Kohinoor himself will be coordinating the effort. In response to a question from Chris Lemka Kohinoor Kar confirmed that the ADOT target is for projects to be obligated by June 30, 2010, which is the end of State fiscal year. Kiran confirmed with Vice Chair Margaret Boone-Pixley that a memo from MAG will be sent to the member agencies through the Management Committee to explain the entire process along with application forms.

6. Reports by the Committee Members on Transportation Safety Activities

Kerry Wilcoxon mentioned that the METRO Safety Book developed by Phoenix, Mesa and Tempe has been published in hard copy. Renate Ehm mentioned that a protected only single lane left turn signal will be converted to flashing yellow arrow at night at one of the intersections in Mesa.

7. Request for Future Agenda Items

No agenda item requests were received from committee members.

8. Next Meeting

It was announced that a Special Meeting of the Transportation Safety Committee meeting is scheduled to be held on April 20, 2010 at 10:00 a.m. in the Saguaro Room at MAG. The primary purpose of this special meeting will be to finalize the HSIP project recommendation.

9. Adjournment

Vice Chair Margaret Boone-Pixley adjourned the meeting at 11:00 PM.